

Title (en)
Fluidized bed reactor

Title (de)
Wirbelschichtreaktor

Title (fr)
Réacteur à lit fluidisé

Publication
EP 1219896 A2 20020703 (EN)

Application
EP 02006367 A 19980626

Priority
• EP 98929467 A 19980626
• US 88879097 A 19970707

Abstract (en)
A fluidized bed reactor including in its lower part a furnace section having a bed of fluidized solid particles, the furnace section being delimited by side walls such as external side walls (22,24) and/or partition walls (34, 36) and a bottom grid (28', 28"), and a supplying device for introducing gas into the furnace section at a level above the bottom grid, the supplying device including a gas source chamber (38"), an opening (48) in at least one of the side walls at a level above the bottom grid, and a conduit (42, 44) having a first end connected to the opening and a second end (52) connected to the gas source chamber. The conduit includes a solid flow seal preventing solid particles from flowing backwards from the furnace section into the conduit in a manner preventing or noticeably decreasing introduction of gas from the gas source chamber to the furnace section.
<IMAGE>

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F23C 10/20; **F23L 9/00**

IPC 8 full level
F23C 10/18 (2006.01); **F23C 10/20** (2006.01); **F23L 9/00** (2006.01)

CPC (source: EP US)
F23C 10/20 (2013.01 - EP US); **F23L 9/00** (2013.01 - EP US)

Citation (applicant)
• US 4864944 A 19890912 - ENGSTROEM FOLKE [US], et al
• US 4817563 A 19890404 - BEISSWENGER HANS [US], et al
• US 5370084 A 19941206 - SKOWYRA RICHARD S [US], et al
• US 5215042 A 19930601 - BEISSWENGER HANS [DE], et al
• US 4545959 A 19851008 - SCHILLING HANS-DIETER [DE], et al

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DE ES FI FR GB IT SE

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WO 9902920 A1 19990121; AU 7921798 A 19990208; CA 2290978 A1 19990121; CA 2290978 C 20050104; CN 100351571 C 20071128; CN 101158467 A 20080409; CN 101158467 B 20101103; CN 1270664 A 20001018; DE 69808914 D1 20021128; DE 69808914 T2 20030618; DE 69827679 D1 20041223; DE 69827679 T2 20051208; EP 0995065 A1 20000426; EP 0995065 B1 20021023; EP 1219896 A2 20020703; EP 1219896 A3 20020710; EP 1219896 B1 20041117; ES 2186172 T3 20030501; ES 2233730 T3 20050616; JP 2001504209 A 20010327; JP 3337229 B2 20021021; PL 191719 B1 20060630; PL 337896 A1 20000911; US 6029612 A 20000229; US 6699444 B1 20040302

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FI 9800560 W 19980626; AU 7921798 A 19980626; CA 2290978 A 19980626; CN 200710180996 A 19980626; CN 98806951 A 19980626; DE 69808914 T 19980626; DE 69827679 T 19980626; EP 02006367 A 19980626; EP 98929467 A 19980626; ES 02006367 T 19980626; ES 98929467 T 19980626; JP 50820099 A 19980626; PL 33789698 A 19980626; US 46792499 A 19991221; US 88879097 A 19970707